

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John M. Thompson et al.
Serial No. TBA
Filed herewith
For: **ENGINE MISFIRE DETECTION SYSTEM**

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

<p>CERTIFICATE OF EXPRESS MAILING I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. 1.10 AND IS ADDRESSED TO: MAIL STOP PATENT APPLICATION, COMMISSIONER FOR PATENTS, PO BOX 1450, ALEXANDRIA, VA 22313-1450, ON AUGUST 28, 2003.</p> <p><u>Kelly Farrow</u> Name of Depositor</p> <p><u>[Signature]</u> Signature</p> <p>Express Mail Label No. <u>EV086421144US</u></p>

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO 1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO 1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusions regarding the relevance of the cited information.

The Director is hereby authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account No. 50-1732.

An early and favorable action is hereby requested.

Respectfully submitted,

WITHROW & TERRANOVA, P.L.L.C.

By:



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Date: August 28, 2003
Docket No. 1068-001

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DKT NO. 1068-001		SERIAL NO. TBA	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Thompson et al.			
				FILING DATE 8/28/2003		GROUP TBA	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CL.	SUBCL.	FILING DATE IF APPROP.
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CL.	SUBCL.	TRANSLATION
							YES NO
OTHER DOCUMENTS (Incl. Author, Title, Date, Pertinent pages, etc.)							
	A	Larry Carley, "Decoding On-Board Diagnostics," downloaded from www.aalcar.com , August 5, 2003, 4 pages					
	B	"Lambda Sensor," downloaded from www.nernst.de/lambda-sensor.htm , August 12, 2003, 2 pages					
	C	"Lambda Sensor (Titania) Waveform," downloaded from www.picotech.com/auto/waveforms/lambda_titania.html , August 12, 2003, 2 pages					
	D	Product brochure for Lambda Sensor LSM 11, produced by Robert Bosch (Australia) Pty Ltd, dated October 17, 2001, 2 pages					
	E	Peter J. Maloney, "A Production Wide-Range AFR Sensor Response Diagnostic Algorithm for Direct-Injection Gasoline Application," SAE Technical Paper Series, 2001-01-0558, reprinted from Electronic Engine Controls 2001: Modeling, Controls, OBD and Neutral Networks (SP-1585), presented at SAE 2001 World Congress, March 5-8, 2001, downloaded from www.delphi.com/pdf/techpapers/2001-01-0558.pdf , 8 pages					
	F	Product brochure for Automotive Diagnostics Kit, downloaded from www.picotech.com/auto/automotive_kit.html , August 14, 2003, 7 pages					
	G	Product brochure for High Resolution Oscilloscopes for Automotive Diagnostics, downloaded from www.picotech.com/auto/automotive_oscilloscope.html , August 14, 2003, 2 pages					
	H	Media release, "Save Fuel and the Environment: Have Your Lambda (O ₂) Sensor Checked Regularly in the Workshop," Robert Bosch (Australia) Pty Ltd, September 11, 2002, 1 page					
	I	Mark Warren, "Tech to Tech: Standardizing On-Board Diagnostics," originally published in AutoInc. Magazine, Vol. XLV, No. 6, June 1997, 3 pages					
	J	Larry Hammer, "Platinum Spark Plugs: Justifying Their Cost," Tech Tip, Mighty Auto Parts, Mighty Distributing System of America, Inc., 4 pages					
	K	Colorado State University, "Case Study 8 - Ford P0304, P0301 Codes: "Misfire - Problem or Solution?" downloaded from www.obdiicsu.com/Studies/2002CaseStudies/Misfire/Misfire.html , August 5, 2003, 3 pages					
EXAMINER				DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							